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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.429.00
Report No: 2024410-B016
Ballast type: AC

Test No: 2024410-C016	Voltage(V): 34.810
LampCAT: CREE CXA1830 LES14	Current(A): 0.530
Lamp flux(lm): 2713.0	Power (W): 18.449
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2257.17, Efficiency(%): 83.20% , Luminous Efficacy(lm/W): 122.35
Central intensity(cd): 5056.256, Maximum intensity(cd): 5056.256
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.0
[C90/270]Total=37.0
Field angle(10%Imax): [C0/180]Total=64.8
[C90/270]Total=64.8
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.20%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.142%

NT 2-2680-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5056.256	0.000	0	0.00%	0.00%
1.0	5047.405	4.834	4.834	0.18%	0.21%
2.0	5028.092	14.461	19.296	0.53%	0.85%
3.0	4989.979	23.960	43.256	0.88%	1.92%
4.0	4935.846	33.225	76.481	1.22%	3.39%
5.0	4846.087	42.081	118.562	1.55%	5.25%
6.0	4749.964	50.430	168.992	1.86%	7.49%
7.0	4633.431	58.243	227.234	2.15%	10.07%
8.0	4502.414	65.383	292.618	2.41%	12.96%
9.0	4350.914	71.751	364.369	2.64%	16.14%
10.0	4188.880	77.282	441.651	2.85%	19.57%
11.0	4009.069	81.914	523.566	3.02%	23.20%
12.0	3832.990	85.725	609.291	3.16%	26.99%
13.0	3641.328	88.701	697.992	3.27%	30.92%
14.0	3444.547	90.699	788.69	3.34%	34.94%
15.0	3244.400	91.829	880.519	3.38%	39.01%
16.0	3041.839	92.111	972.63	3.40%	43.09%
17.0	2845.203	91.677	1064.307	3.38%	47.15%
18.0	2626.183	90.211	1154.519	3.33%	51.15%
19.0	2439.715	88.136	1242.655	3.25%	55.05%
20.0	2230.424	85.477	1328.131	3.15%	58.84%
21.0	2035.178	81.908	1410.04	3.02%	62.47%
22.0	1847.321	78.020	1488.06	2.88%	65.93%
23.0	1639.552	73.164	1561.224	2.70%	69.17%
24.0	1477.956	68.160	1629.384	2.51%	72.19%
25.0	1276.112	62.622	1692.006	2.31%	74.96%
26.0	1185.834	58.115	1750.12	2.14%	77.54%
27.0	1082.586	55.497	1805.617	2.05%	79.99%
28.0	960.296	51.721	1857.339	1.91%	82.29%
29.0	846.499	47.271	1904.61	1.74%	84.38%
30.0	734.304	42.681	1947.291	1.57%	86.27%
31.0	635.101	38.109	1985.4	1.40%	87.96%
32.0	545.071	33.811	2019.21	1.25%	89.46%
33.0	455.590	29.480	2048.69	1.09%	90.76%
34.0	382.708	25.369	2074.059	0.94%	91.89%
35.0	312.598	21.594	2095.653	0.80%	92.84%
36.0	268.896	18.515	2114.168	0.68%	93.66%
37.0	214.053	15.751	2129.919	0.58%	94.36%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	181.800	13.213	2143.132	0.49%	94.95%
39.0	122.736	10.395	2153.527	0.38%	95.41%
40.0	94.967	7.593	2161.119	0.28%	95.74%
41.0	75.684	6.077	2167.196	0.22%	96.01%
42.0	61.295	4.977	2172.173	0.18%	96.23%
43.0	51.844	4.191	2176.364	0.15%	96.42%
44.0	45.077	3.658	2180.022	0.13%	96.58%
45.0	40.154	3.276	2183.298	0.12%	96.73%
46.0	36.284	2.989	2186.287	0.11%	96.86%
47.0	33.065	2.758	2189.045	0.10%	96.98%
48.0	30.673	2.577	2191.622	0.09%	97.10%
49.0	28.544	2.432	2194.053	0.09%	97.20%
50.0	26.679	2.302	2196.356	0.08%	97.31%
51.0	25.004	2.187	2198.543	0.08%	97.40%
52.0	23.767	2.093	2200.635	0.08%	97.50%
53.0	22.641	2.019	2202.654	0.07%	97.58%
54.0	21.522	1.947	2204.601	0.07%	97.67%
55.0	20.651	1.883	2206.483	0.07%	97.75%
56.0	19.839	1.830	2208.313	0.07%	97.84%
57.0	19.195	1.785	2210.098	0.07%	97.91%
58.0	18.566	1.746	2211.844	0.06%	97.99%
59.0	18.025	1.711	2213.554	0.06%	98.07%
60.0	17.593	1.683	2215.237	0.06%	98.14%
61.0	17.169	1.659	2216.896	0.06%	98.22%
62.0	16.796	1.637	2218.533	0.06%	98.29%
63.0	16.467	1.618	2220.15	0.06%	98.36%
64.0	16.145	1.600	2221.751	0.06%	98.43%
65.0	15.867	1.584	2223.335	0.06%	98.50%
66.0	15.538	1.567	2224.902	0.06%	98.57%
67.0	15.260	1.549	2226.45	0.06%	98.64%
68.0	14.960	1.531	2227.981	0.06%	98.71%
69.0	14.689	1.513	2229.494	0.06%	98.77%
70.0	14.389	1.493	2230.987	0.06%	98.84%
71.0	14.133	1.474	2232.461	0.05%	98.91%
72.0	13.906	1.458	2233.919	0.05%	98.97%
73.0	13.804	1.449	2235.368	0.05%	99.03%
74.0	13.767	1.449	2236.818	0.05%	99.10%
75.0	13.694	1.451	2238.269	0.05%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.621	1.450	2239.719	0.05%	99.23%
77.0	13.548	1.449	2241.167	0.05%	99.29%
78.0	13.467	1.446	2242.614	0.05%	99.35%
79.0	13.175	1.431	2244.045	0.05%	99.42%
80.0	12.604	1.390	2245.435	0.05%	99.48%
81.0	12.026	1.332	2246.767	0.05%	99.54%
82.0	11.492	1.275	2248.042	0.05%	99.60%
83.0	11.149	1.231	2249.273	0.05%	99.65%
84.0	10.973	1.205	2250.478	0.04%	99.70%
85.0	10.658	1.181	2251.659	0.04%	99.76%
86.0	10.307	1.146	2252.805	0.04%	99.81%
87.0	10.081	1.116	2253.921	0.04%	99.86%
88.0	9.934	1.096	2255.017	0.04%	99.90%
89.0	9.839	1.084	2256.101	0.04%	99.95%
90.0	9.751	1.074	2257.175	0.04%	100.00%

Zonal flux distribution table

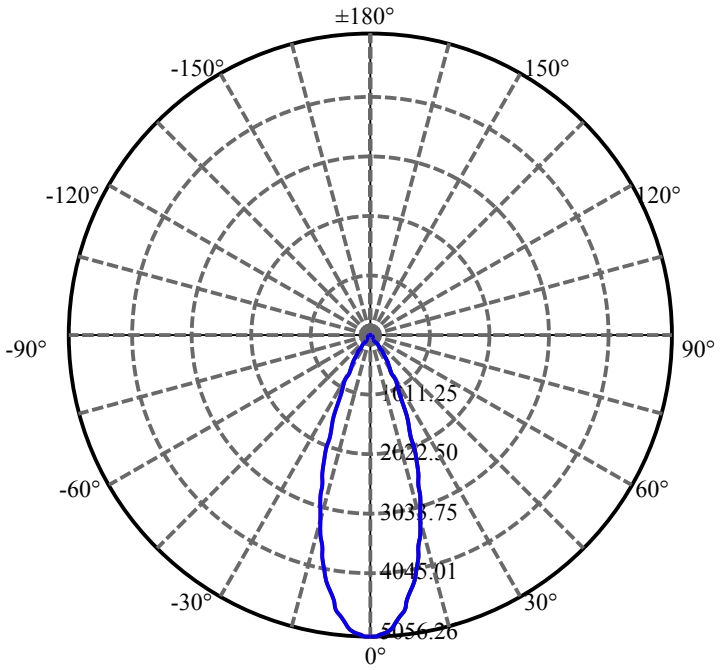
ZONAL LUMEN SUMMARY

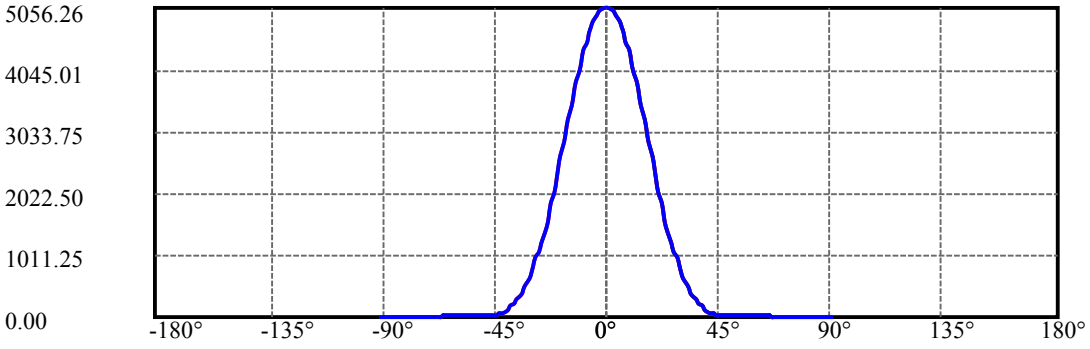
Zone	Lumens	%Lamp	%Fixt
0-30	1947.29	71.78%	86.27%
0-40	2161.12	79.66%	95.74%
0-60	2215.24	81.65%	98.14%
0-90	2256.10	83.16%	99.95%
0-120	2256.10	83.16%	99.95%
0-180	2257.17	83.20%	100.00%
60-90	40.86	1.51%	1.81%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.00	1805.74	66.56%	80.00%

ZONAL LUMEN SUMMARY

0-10	441.65
10-20	886.48
20-30	619.16
30-40	213.83
40-50	35.24
50-60	18.88
60-70	15.75
70-80	14.45
80-90	10.67
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Light Distribution Curve [Unit:cd]





C0(Max):

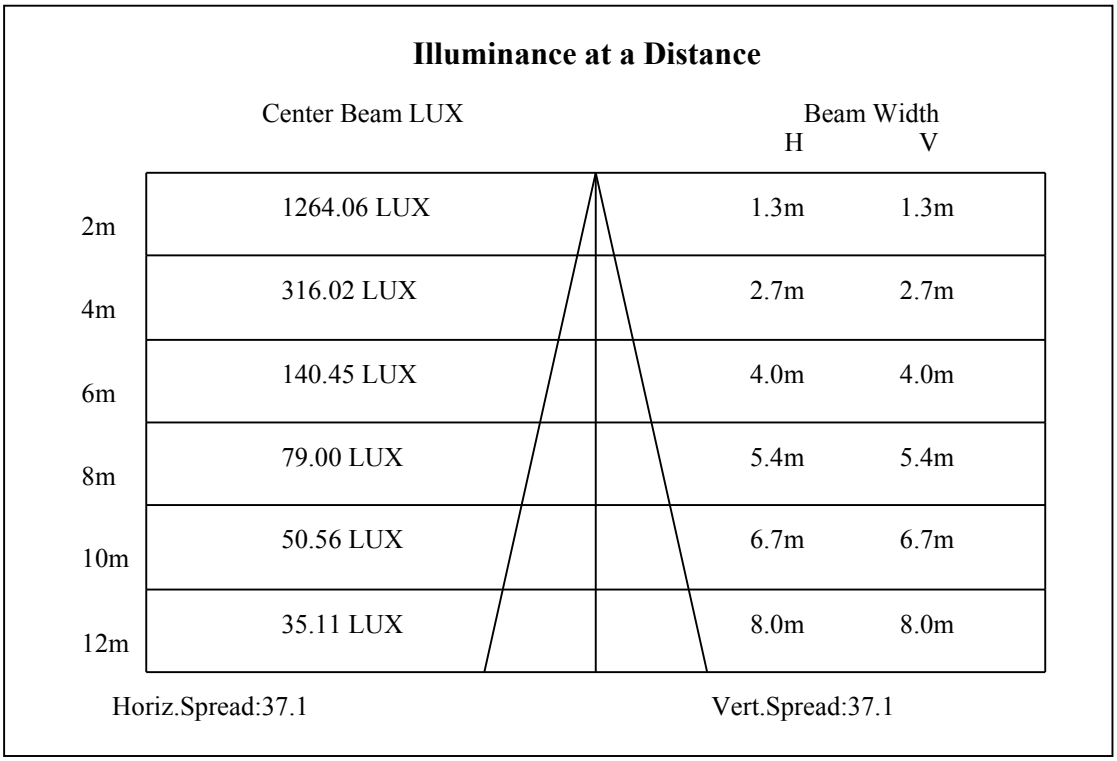
C0/C180:

C90/C270:

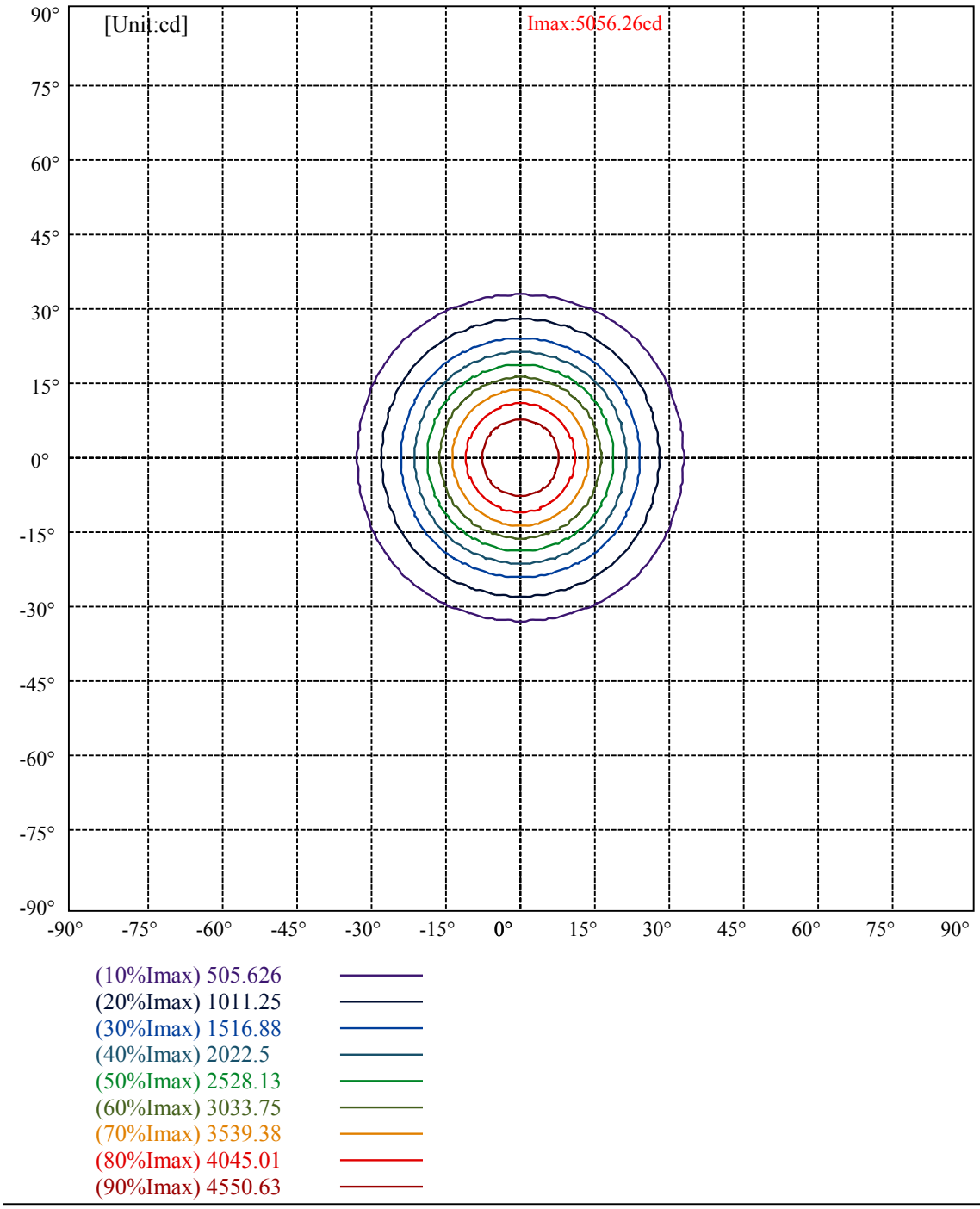
Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5

Lux distance Curve



ISO-Intensity(V-H)

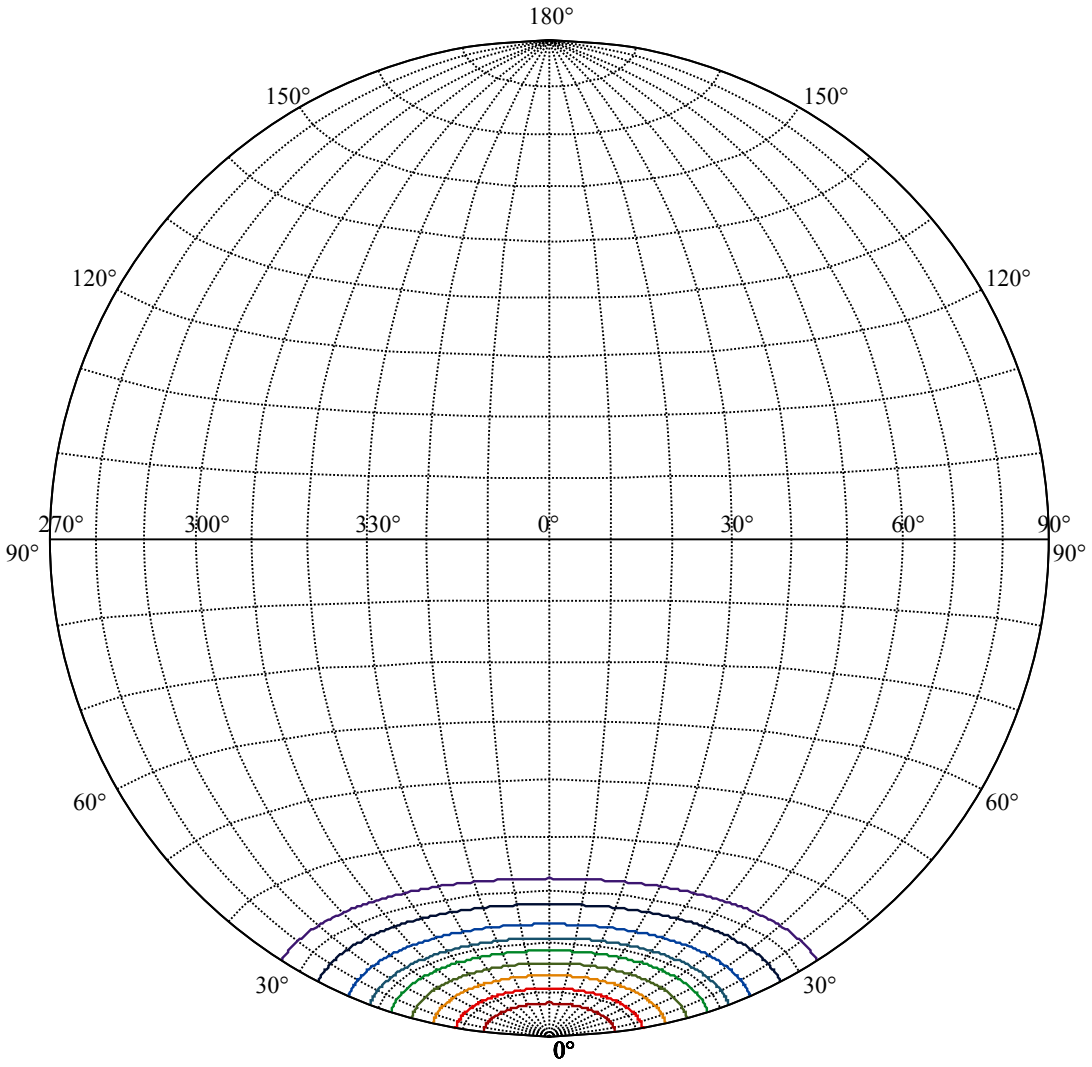


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/10
Humidity(%): 60.0%

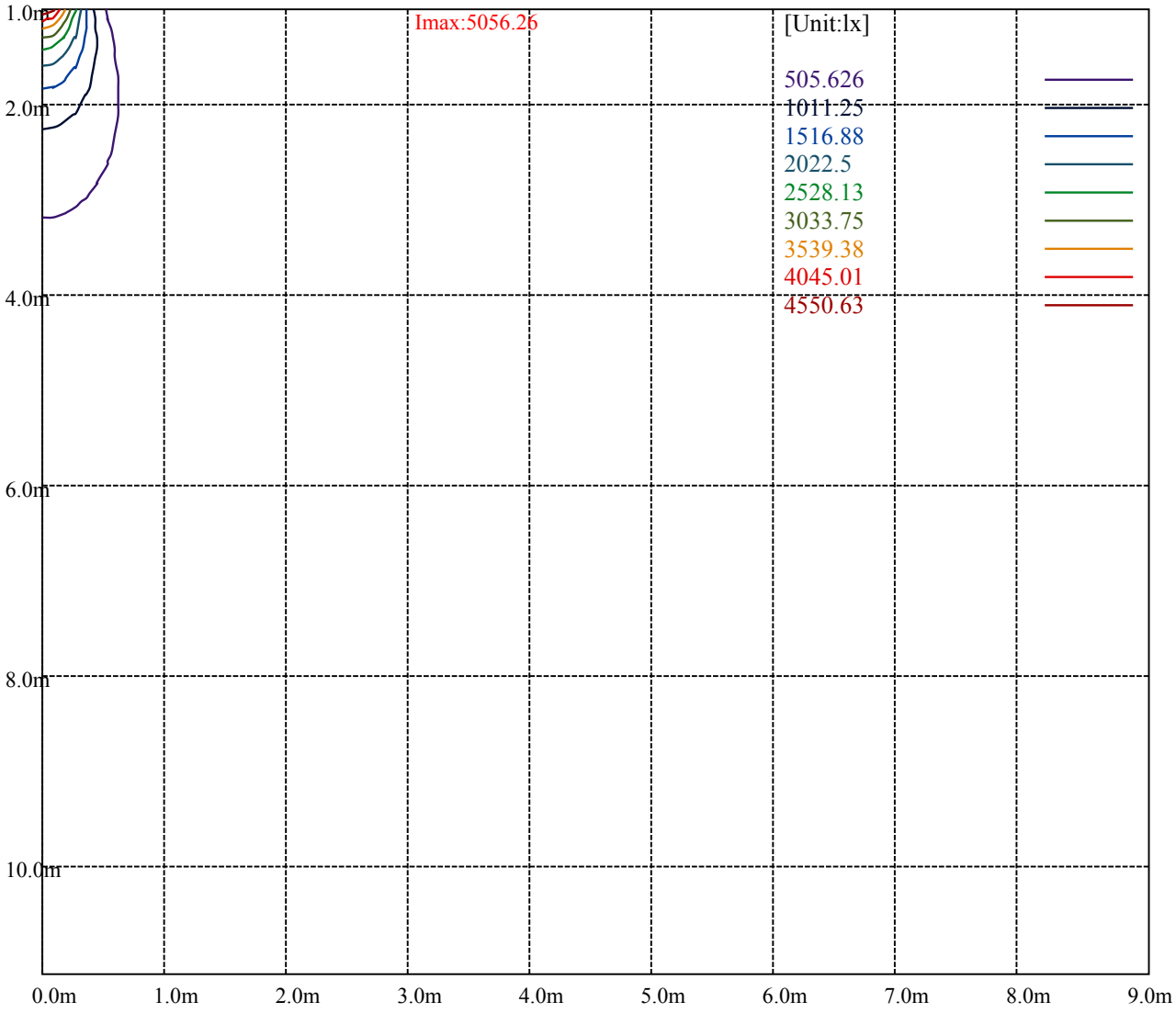
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



Equipment: GMS1980	Date: 2024/4/10	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/10
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

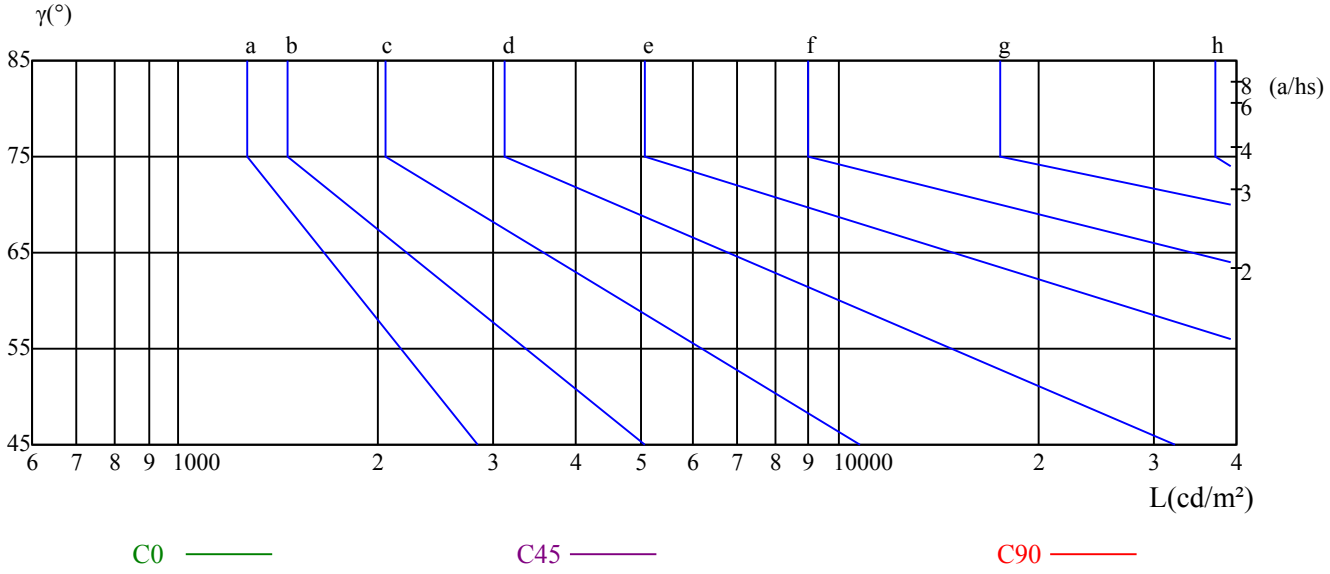
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

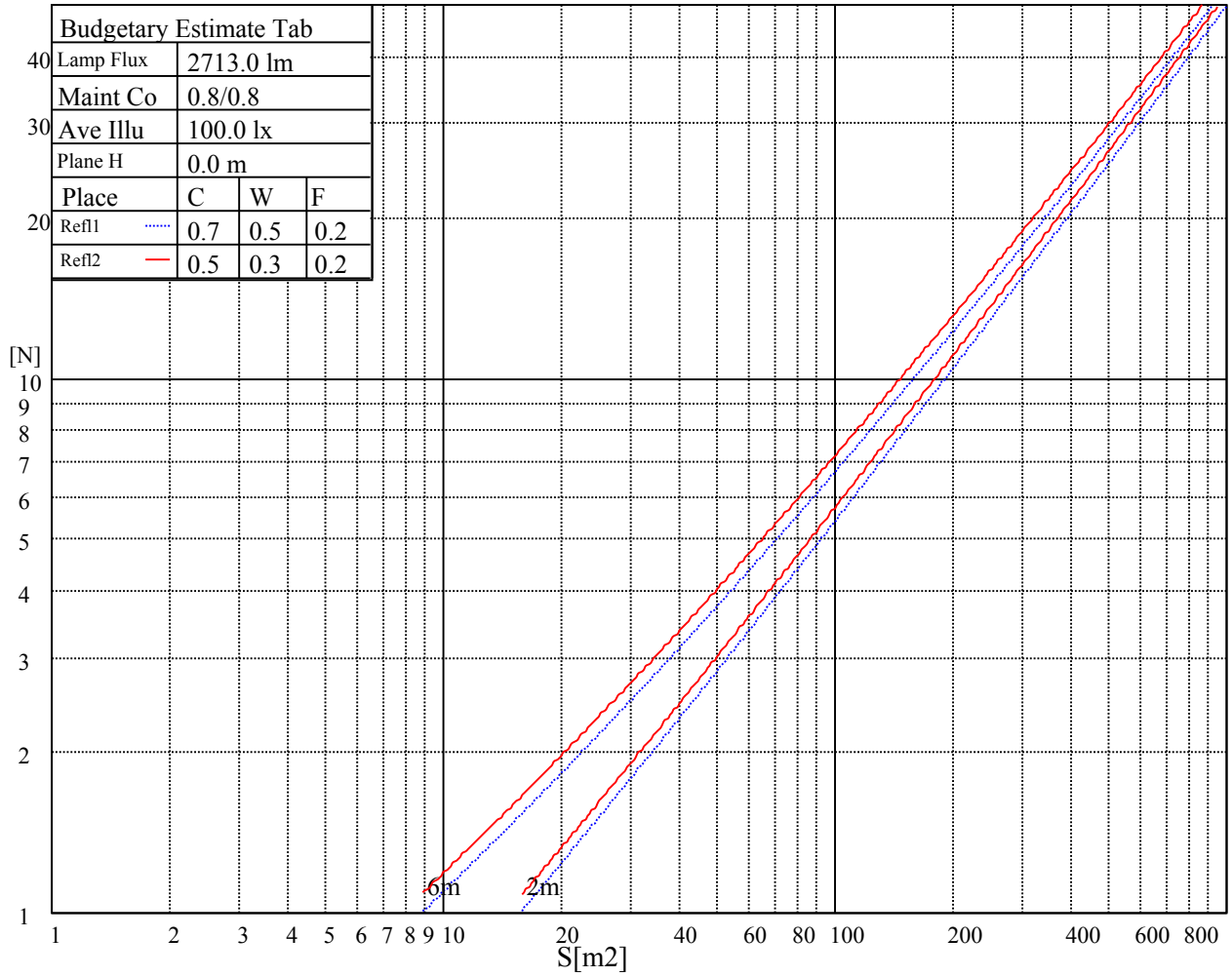
Luminance Limitting Curve



Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table

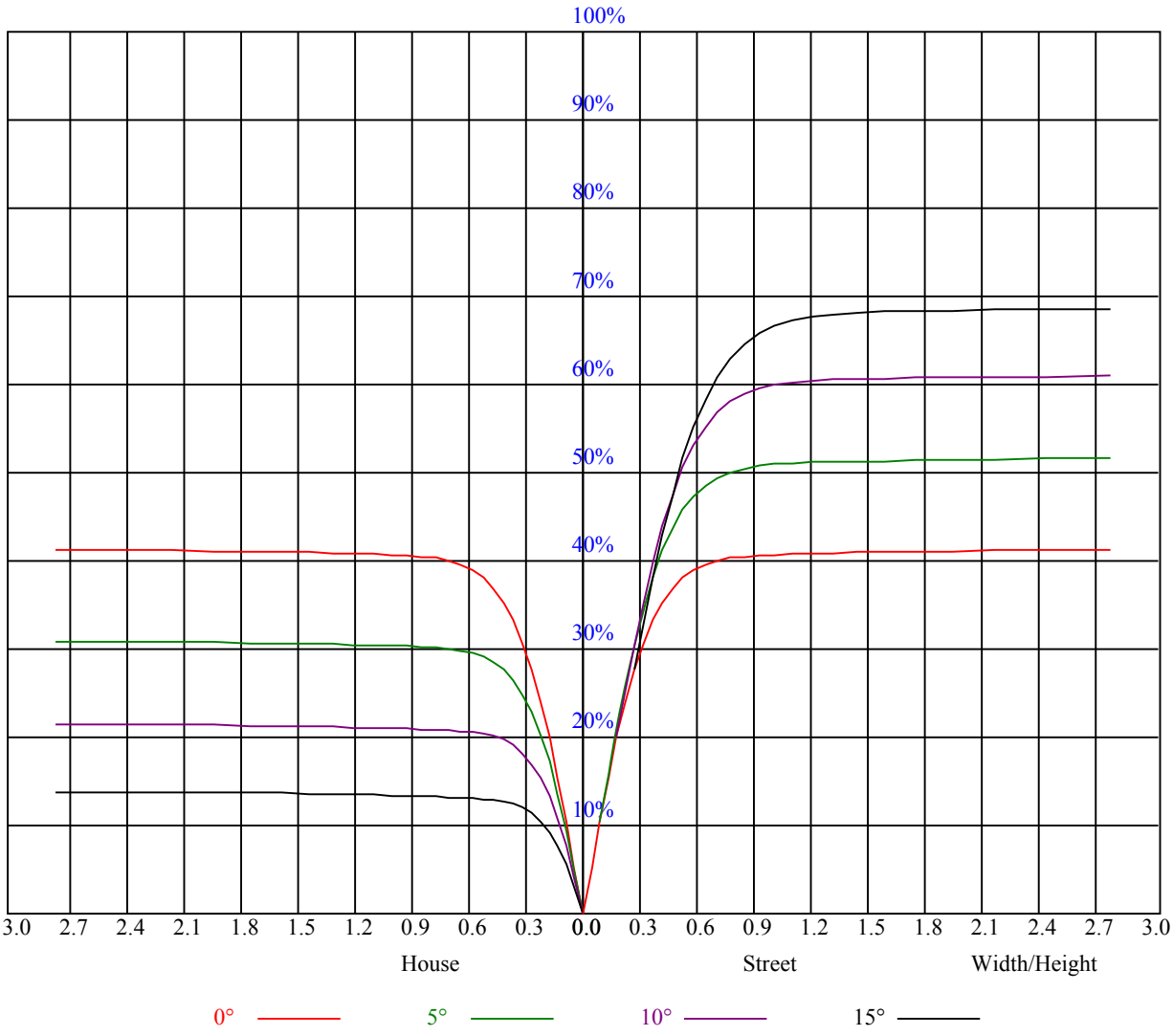


Equipment: GMS1980 Date: 2024/4/10 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

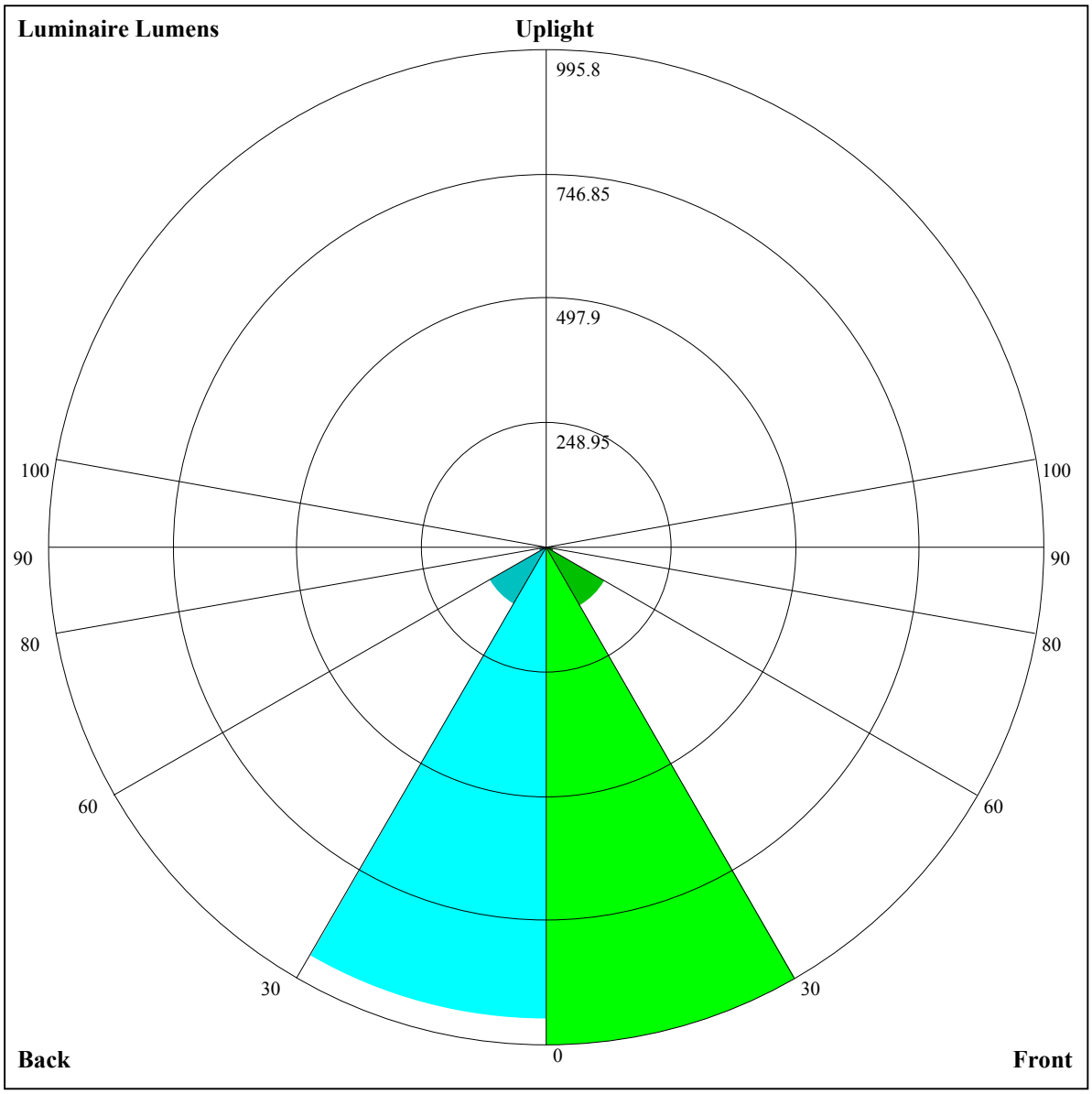
Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79
2	0.87	0.84	0.82	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	0.76	0.74
3	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.72	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.65	0.69	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.61	0.57	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/10	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=995.8,FM=135.83,FH=15.45,FVH=5.98
BL=944.33,BM=133.7,BH=14.96,BVH=5.79
UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	5066.94	5083.91	5066.94	5048.79	5021.87	4946.38	4873.81	4787.78	4648.50
45.0	5031.82	5054.65	5078.06	5061.08	5048.79	5016.61	4958.08	4874.98	4769.64
90.0	5062.25	5067.52	5048.79	5017.78	4957.50	4887.86	4790.13	4661.96	4545.50
135.0	5064.01	5055.23	5032.99	4993.78	4955.74	4879.66	4760.28	4656.69	4538.48
180.0	5066.94	5032.99	4997.29	4948.14	4883.18	4758.52	4664.89	4507.46	4380.47
225.0	5031.82	4987.35	4935.26	4851.57	4747.40	4607.53	4479.37	4340.09	4179.74
270.0	5062.25	5045.87	5025.97	4994.95	4931.75	4842.21	4740.97	4626.26	4468.25
315.0	5064.01	5051.72	5039.43	5003.73	4940.53	4829.92	4732.19	4612.22	4488.73
360.0	5066.94	5083.91	5066.94	5048.79	5021.87	4946.38	4873.81	4787.78	4648.50

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4530.87	4385.15	4179.74	4012.95	3785.88	3597.44	3400.80	3151.50	2961.88
45.0	4664.89	4546.67	4409.73	4225.97	4053.91	3878.93	3650.11	3454.64	3256.25
90.0	4406.80	4214.85	4046.30	3878.93	3703.95	3492.68	3304.82	3117.55	2930.28
135.0	4371.69	4222.46	4066.20	3860.20	3694.58	3525.45	3339.94	3107.02	2922.09
180.0	4226.55	4032.84	3857.86	3689.32	3517.26	3289.61	3103.51	2918.58	2724.87
225.0	3984.86	3814.56	3646.01	3475.71	3241.62	3063.13	2830.21	2640.59	2450.40
270.0	4327.80	4163.93	3943.89	3774.17	3565.25	3369.20	3179.00	2988.80	2750.03
315.0	4293.85	4130.58	3922.82	3746.67	3568.18	3339.94	3146.81	2956.03	2765.83
360.0	4530.87	4385.15	4179.74	4012.95	3785.88	3597.44	3400.80	3151.50	2961.88

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2771.10	2577.97	2386.61	2143.15	1954.71	1775.63	1562.61	1155.12	1155.12
45.0	3015.72	2827.87	2640.01	2401.24	2212.21	2027.86	1847.03	1639.86	1481.26
90.0	2696.19	2511.84	2276.00	2089.31	1905.55	1687.85	1529.25	1158.86	1158.86
135.0	2738.33	2552.81	2323.40	2141.40	1961.15	1752.81	1595.97	1420.40	1292.24
180.0	2487.85	2309.94	2086.39	1909.65	1735.84	1540.96	1399.92	1275.26	1131.30
225.0	2220.40	2034.30	1855.22	1689.60	1499.99	1154.01	1154.01	1126.79	992.66
270.0	2559.83	2374.90	2141.40	1957.05	1778.56	1608.84	1422.74	1288.72	1164.66
315.0	2520.04	2328.08	2134.37	1950.03	1730.57	1568.46	1312.13	1143.88	1110.58
360.0	2771.10	2577.97	2386.61	2143.15	1954.71	1775.63	1562.61	1155.12	1155.12

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1121.53	961.06	847.64	711.75	613.02	522.25	422.06	352.48	291.56
45.0	1332.62	1192.16	1035.32	918.86	807.08	677.75	581.77	496.33	402.11
90.0	1099.40	983.59	877.37	776.07	658.20	571.06	488.84	413.46	331.59
135.0	1171.68	1058.73	930.57	834.00	743.29	654.34	547.24	468.82	397.43
180.0	1028.30	925.88	825.81	708.77	618.64	536.12	456.53	369.92	310.81
225.0	891.18	794.85	703.62	592.01	509.67	432.42	349.03	290.45	225.02
270.0	1024.79	917.69	809.42	690.04	601.08	517.98	422.59	355.29	296.77
315.0	991.20	848.40	742.24	642.93	529.80	448.63	376.65	314.91	245.50
360.0	1121.53	961.06	847.64	711.75	613.02	522.25	422.06	352.48	291.56

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	237.84	181.36	143.73	113.53	91.00	70.75	59.46	51.44	45.65
45.0	335.98	304.96	304.96	161.64	125.94	99.78	76.08	62.97	53.78
90.0	272.19	208.57	165.97	130.45	97.97	78.89	64.90	54.95	46.29
135.0	333.64	303.21	303.21	161.11	117.86	92.93	70.81	58.76	49.98
180.0	296.77	233.04	156.08	124.59	94.10	75.44	61.80	50.21	43.89
225.0	180.37	142.68	112.42	83.92	67.83	56.42	48.40	41.49	37.40
270.0	296.77	181.07	143.32	112.83	89.25	68.35	57.06	49.10	43.42
315.0	197.63	157.54	124.71	93.81	75.79	62.91	51.85	45.82	40.20
360.0	237.84	181.36	143.73	113.53	91.00	70.75	59.46	51.44	45.65

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	40.20	36.75	33.30	31.08	29.09	26.86	25.40	24.11	23.00
45.0	47.23	41.26	37.75	34.70	31.66	29.50	27.33	25.87	24.58
90.0	41.26	37.51	34.41	31.43	29.38	27.56	25.69	24.35	23.23
135.0	43.95	38.33	35.00	32.25	29.90	27.51	25.81	24.46	23.00
180.0	39.15	35.52	32.07	29.73	27.74	26.04	24.23	23.06	21.95
225.0	34.29	31.72	29.03	27.33	25.34	24.11	22.71	21.71	20.89
270.0	38.27	35.11	31.84	29.73	27.92	25.98	24.64	23.53	22.47
315.0	36.87	34.06	31.13	29.14	27.33	25.87	24.23	23.06	22.00
360.0	40.20	36.75	33.30	31.08	29.09	26.86	25.40	24.11	23.00

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.71	20.89	20.07	19.43	18.67	18.08	17.73	17.21	16.80
45.0	23.17	22.12	21.30	20.54	19.66	19.02	18.49	17.97	17.44
90.0	21.95	21.07	20.13	19.43	18.79	18.26	17.73	17.32	17.03
135.0	22.00	21.07	20.01	19.37	18.73	18.08	17.62	17.26	16.74
180.0	20.78	19.96	19.14	18.49	18.02	17.56	17.03	16.68	16.33
225.0	20.13	19.37	18.79	18.20	17.85	17.32	17.03	16.68	16.39
270.0	21.30	20.54	19.84	19.25	18.55	18.08	17.67	17.26	16.97
315.0	21.13	20.19	19.43	18.84	18.26	17.79	17.44	16.97	16.68
360.0	21.71	20.89	20.07	19.43	18.67	18.08	17.73	17.21	16.80

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.44	16.21	15.98	15.63	15.39	15.10	14.86	14.51	14.28
45.0	17.15	16.74	16.44	16.21	15.92	15.57	15.39	15.04	14.69
90.0	16.68	16.33	16.09	15.74	15.45	15.10	14.81	14.51	14.28
135.0	16.44	16.15	15.86	15.45	15.22	14.92	14.69	14.34	14.05
180.0	16.04	15.63	15.33	15.10	14.69	14.46	14.10	13.81	13.64
225.0	16.04	15.74	15.45	15.04	14.81	14.51	14.16	13.99	13.69
270.0	16.56	16.27	15.98	15.63	15.33	15.10	14.81	14.51	14.34
315.0	16.39	16.09	15.80	15.51	15.27	14.92	14.69	14.40	14.10
360.0	16.44	16.21	15.98	15.63	15.39	15.10	14.86	14.51	14.28

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.99	13.75	13.52	13.17	12.93	12.76	12.52	12.35	12.17
45.0	14.51	14.16	13.93	13.75	14.40	15.86	17.32	17.03	15.92
90.0	13.99	13.69	13.40	13.17	12.93	12.64	12.41	12.17	11.94
135.0	13.75	13.46	13.17	12.93	12.70	12.52	12.23	12.00	11.82
180.0	13.34	13.05	12.82	12.64	12.35	12.11	11.94	11.76	11.59
225.0	13.40	13.23	12.99	12.70	12.64	12.87	12.82	12.47	11.29
270.0	14.46	15.51	16.97	18.14	18.02	16.80	15.74	15.04	13.75
315.0	13.81	13.58	13.34	13.05	12.99	12.82	12.76	12.58	12.35
360.0	13.99	13.75	13.52	13.17	12.93	12.76	12.52	12.35	12.17

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.88	11.59	11.35	11.18	11.12	10.53	10.18	10.01	9.83
45.0	14.51	12.52	11.41	11.18	11.00	10.77	10.42	10.18	10.07
90.0	11.59	11.29	11.06	10.83	10.65	10.36	10.18	10.01	9.83
135.0	11.59	11.41	11.24	11.06	10.77	10.30	10.18	9.95	9.95
180.0	11.41	11.24	11.12	11.18	10.18	10.01	9.89	9.77	9.89
225.0	11.12	10.89	10.71	10.59	10.12	9.95	9.71	9.83	9.71
270.0	12.06	11.29	11.06	10.83	10.53	10.30	10.01	9.89	9.71
315.0	12.06	11.70	11.24	10.94	10.89	10.24	10.07	9.83	9.71
360.0	11.88	11.59	11.35	11.18	11.12	10.53	10.18	10.01	9.83

Intensity data(cd)

C/γ(°)	90.0
0.0	9.77
45.0	9.89
90.0	9.77
135.0	9.71
180.0	9.66
225.0	9.77
270.0	9.77
315.0	9.66
360.0	9.77